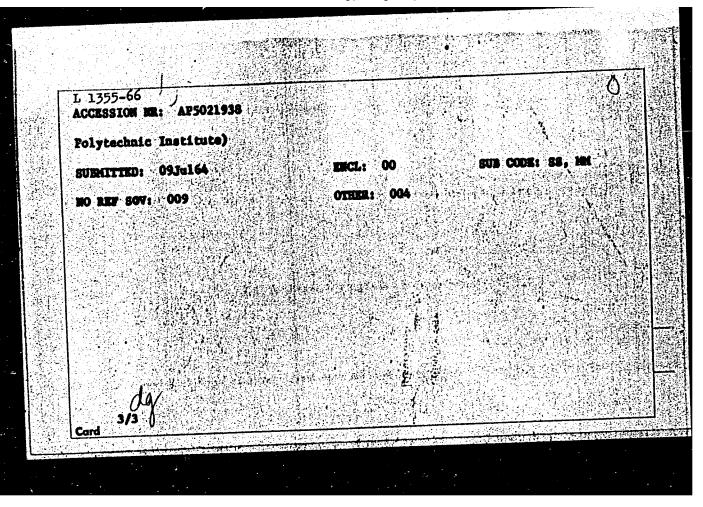
1- 1355-66 ACCESSION NR: AP5021938 whereas at To = 475° they were not detected at all. The dependence of the dimensions of regions of coherent scattering (r.c.s.) and magnitude of microdeformations on T_s is nonmomomorphic. At $T_s = \sim 380^{\circ}\mathrm{C}$ the r.c.s. decrease and microdeformations on T_s tions increase, which is in agreement with the decrease in the microhardness of the film. The film containing mostly cubic cobalt Coc displays both types of packing defects at T = 240°G. Deformation-caused packing defects are less heatresistant than growth defects; at 530°C they can no longer be detected, whereas the probability of growth defects persists as far as 610°C, at which temperature two variaties of cubic Co can be detected; one defect-free, forming in the process of heating, and the other with growth defects, forming in the process of condensation. The high probability of packing defects in vacuum-condensed cobalt films as compared with the vacuum-condensed films of other metals is conditioned by the specific nature of polymorphism in cobalt as well as by the low energy of packing defects in this metal. Harmonic analysis of line profile is the most reliable method of determining the probability of packing defects in vacuum-condensed cobalt, Orig. art. has: 3 figures, 3 tables, 4 formulas.

ASSOCIATION: Eher kovekly politekhnicheskiy institut im. V. I. Lenins (Eher kov

_ , 2/3

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920



FUKS, M.Ya.; KOZ'MA, A.A.; PALATNIK, L.S.

Investigating the defects of packing the dispersion of content scattering regions, and microdeformations in permalloy and nickel condensation films. Fiz. met. i metalloved. 20 no.4: 103-110 J1 165. (MIRA 18:11)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I. Lenina.

BARTOK, M.; KOZMA, B.

Investigation of the chemical transformations of diols and organic oxides. Pt.6. Acta phys chem Szeged 9 no. 3/4:116-123 163.

l. Kafedra organicheskoy khimii universiteta im Yozhef Attila, Szeged.

BARTOK, M.; KOZMA, B.; AP'OK, Y. [Apjok, J.]

Reaction of 1,3-butanediol with acetyl chloride. Izv. AN SSSR Ser. khim. no.12:2192-2197 D *64 (MIRA 18:1)

1. Institut organicheskoy khimii universiteta imeni Yozhefa Attily, g. Seged, Vengriya.

SIUYKIN, N. I.; BEL'SKIY, I. F.; KARAKHANOV, R. A.; KOZMA, B.; BARTOK,

Isomerization of tetrahydropyrans. Izv AN SSSR Ser Khim no. 4:747-750 Ap '64. (MIRA 17:5)

 Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR.

KOZMA, B.; RAJKAY, O.

Forecasting the passage and pressure of wind. p. 129. IDOJARAS. Budapest. Vol. 59, no. 3, May/June 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2,

February 1956

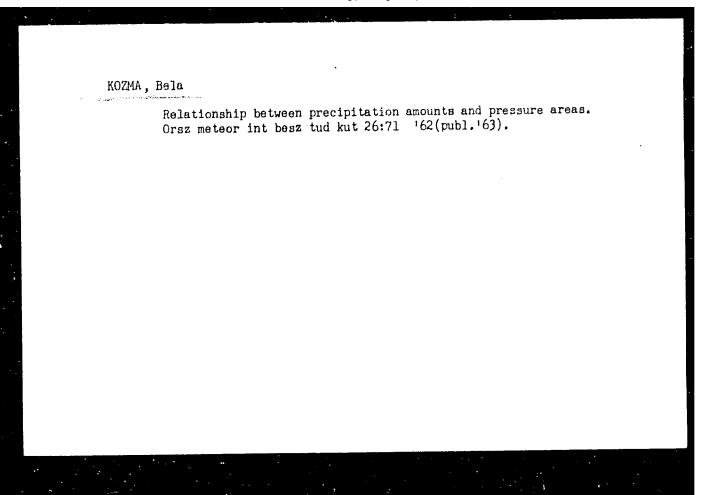
KOPPANY, Gy.; HILLE, Alfred; KAKAS, Jozsef; FUTO, Jozsef; KERI,
Menyhert; PECZELY, Gyorgy; KOZMA, Bela; SZAPPANOS, Andras;
AMBROZY, Pal; GOTZ, Gusztav; PAPP, Laszlo; BELL, Bela;
MARTOS, Andras; BACSO, Nandor; HAJOSY, Ferenc; CSAPODY,
Istvan; NAGY, Laszlo, igazgato foorvos; DONASZY, Erno;
BORONKAI, Pal; ANTAL, Emanuel; TANCZER, Tibor; OZORAI,
Zoltan

The 10th itinerant meeting of the Hungarian Meteorological Society in Sopron. Idojaras 68 no.4:249-250 Jl-Ag '64.

1. President, Hungarian Meteorological Society (for Hille).
2. Editor. "Idojaras" (for Kakas). 3. Editorial Board Member, "Idojaras", Budapest (for Ambrozy, Bell, Keri, Ozorai).

KOZMA,	Bela
--------	------

Investigation of wind pressure maxima at the three observatories of the German Democratic Republic. Orsz meteor int besz tud kut 25:39-40 '61 (publ. '62).



1	34191-66 FCC
Walter .	SOURCE CODE: GE/0064/65/018/03-/0119/0123
	THOR: Kozma, Bela (Doctor; Budapest)
İ	G: Central Institute for Meteorology, Budapest, Hungary
	TLE: Relation between the amount of total precipitation and pressure distribution.
	Part 1 URCE: Zeitschrift für Meteorologie, v. 18, no. 3-4, 1965, 119-123
	PIC TAGS: atmospheric precipitation, atmospheric pressure, atmospheric moisture, nermodynamic characteristic, atmospheric phenomenon
ABSTRACT: The relation between the amount of precipitation observed during a period of precipitation (as characterized by two distinct separation points on the barogram) and the distribution of pressure over the area where precipitation is released by the ascending air was investigated theoretically. The calculation is based on numerical integration yielding the volume of air contributing to the precipitation. The computational steps include the characterization of the air volume and its moisture content, determination of the amount of air contributing to the precipitation, and dynamic-thermodynamical characterization of the phenomena involved. Examples were presented and discussed. Orig. art. has: 1 figure and 15 formulas. [JPRS: 32,859] SUB CODE: 04 / SUBM DATE: none / ORIG REF: 003 UDC: 551.511.3: 551.577.21: 551.542	

KOZMA, Damian

Radims rolnikom v pravnych otazkach. (We Advise Farmers in Legal Problems. bibl.) Bratislava, Slov. vyd. podohosp. lit., 1957. 181 p. Vol. 42 of the series Polnoho podarska ekonmika (Agricultural economics).

The pamphlet has 4 parts: the first part contains explanations of some current problems concerning the organization of agricultural cooperatives; the second part informs the farmers about the basic rules of agricultural bulk-buying; in the third part the reader will find interesting problems of civil law and in the fourth part tac regulations.

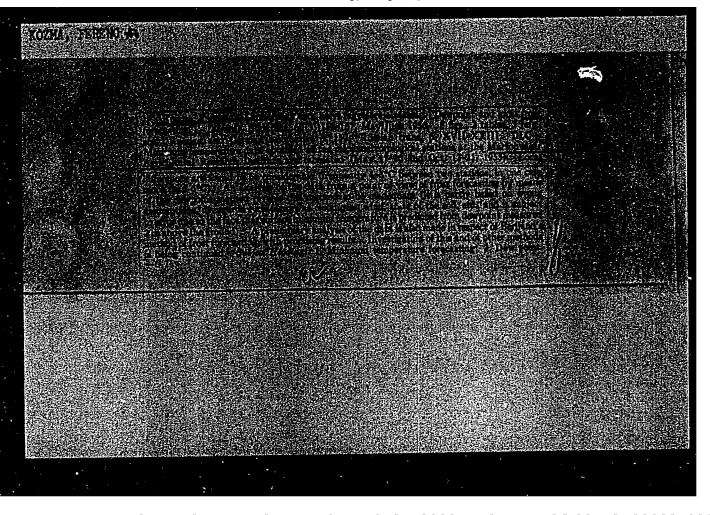
Bibliograficky katalog, CSE, Slovenske khihy, Vol. VIII. 1957. No.10. p.307.

V.KOZMA, Erzsebet

Chemical analysis of the fish ponds and feed canals of the Buzsak fish hatchery. Hidrologiai kozlony 41 no.61524-528 D'61.

1. Magyar Dunakutato Allomas, Budapest.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920



Budapect, Hungary

MCZMA, F.

Temperature conditions of coils devered by various materials.

F. 109. (IDCJAMAS) Vol. 87, no. 7, July 1957

SO: Monthly Index of East European Accessions (MLAI) LC, Vol. 7, No. 3, 1958

KOZMA, F.

SCIENCE

PERIODICALS: ACTA 2 GLOSIGA. Vol. 62, No. 3, May/June 1958
IDOJARAS. Vol. 62, No. 3, May/June 1958

Kozma, F. Daily evolution of the temperature of cultivated and covered soils. p. 150.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 3
February 1959, Unclass.

KOZMA, Ferenc; STOLLAR, Andras; SZILAGYI, Tibor

Aspiration psychrometer with a thermistor. Idojaras 64 no.1:44-47
Ja-F '60. (EEAI 10:1)

(Hungary--Hygrometery)

(Thermistors)

KOZMA, Ferenc

:

On the radiation type of nocturnal soil temperature. Idojaras 64 no.4: 235-238 Jl-Ag °60. (EEAI 10:2) (Soils)

KOZMA, Ferenc; STOLLAR, Andras; SZILAGYI, Tibor

The role of snow cover in the formation of the temperature of air, soil and plants. Idojaras 65 no.4:220-225 J1-Ag 161.

BOGNAR, Karoly; KOZMA, Ferenc

On the micrometeorological investigation of joint grapefruit growing. Idojaras 65 no.6:366-369 D '61.

KOZMA, Ference

Thermistor equipment for measuring the temperature and moisture of the atmosphere. Idojaras 66 no.3:180-181 My-Je '62.

KOZMA, Ferenc; SZILAGYI, Tibor

Temperature and moisture of sandy soils. Orsz meteor int besz tud kut 25:105-113 '61 (publ. '62).

KOZMA, Ferenc; SZILAGYI, Tibor

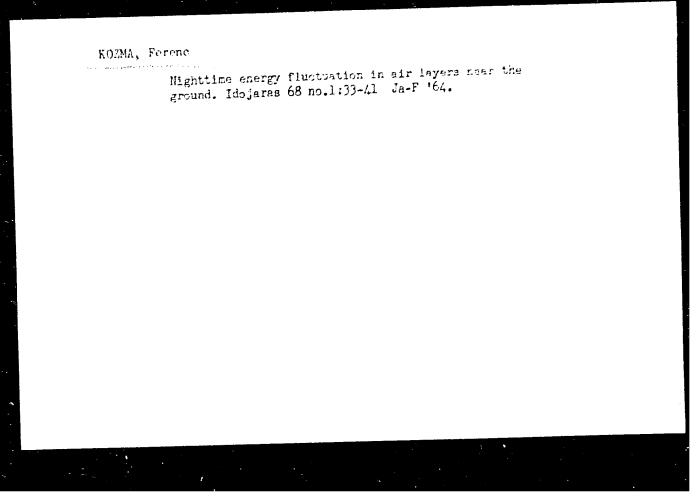
The effect of the soil heat flow on the cooling of the air layers situated near the ground. Idojaras 67 no.1:43-46 Ja-F '63.

Conditions and frequency of the aboveground development of the temperature minimum. Idojaras 67 no.2:104-107 Mr-Ap '63.

KOZMA, Ferenc; STOLLAR, Andras

Effect of clouds on the cooling of air layers near the ground. Idojaras 67 no.5:297-299 S-0 '63.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920



KOZMA, Ferenc, erdomernok

Forest management and conservation of natural resources. Erdo 13 no.8:359-361 Ag '64

1. No.5 Forest Management, Kaposvar.

KOZMA, Ferenc, dr., kandidatus tudomanyos munkatars

Measuring the state of economic development. Stat szemle 42 no.12:1248-1255 D '64.

1. Institute of Economics of the Hungarian Academy of Sciences, Budapest.

Kozma, Gy.

Operational experiences with district heating in Sztalinvaros. В. 447

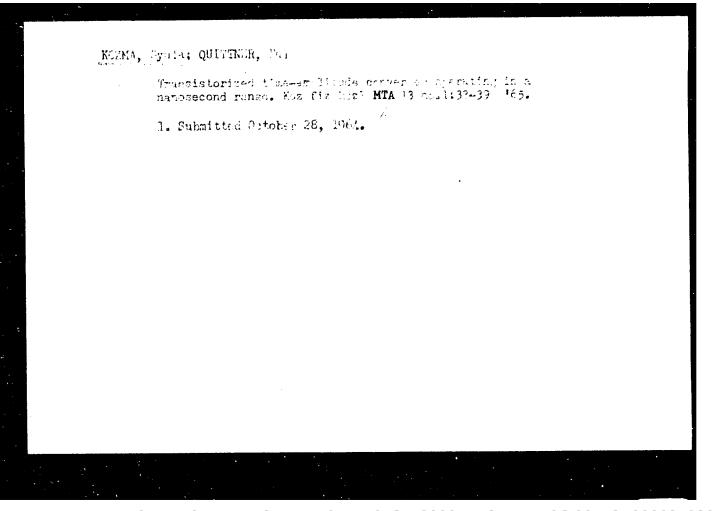
ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet) Budapest, Hungary. Vol. 12, no. 7/8, July/August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11 November 1959 Uncl.

KOZMA, Gyula, dr.

Surgical treatment of a case of cholelithiasis ileus. Orv. hetil. 103 no.32:1514-1516 12 Ag '62.

1. IX. ker. Tanacs VB. Gyali uti Korhaza, Sebeszeti Osztaly.
(INTESTINAL OBSTRUCTION etiol) (CHOLETHIASIS compl)



KOZTIA. 6

RUMANIA/Human and Animal Physiology - Metabolism.

V-2

Abs Jour

: Ref Zhur - Biol., No 4, 1958, 17977

Author

: B. Major, P. Doczy, G. Kozma, S. Magyari and M. Janka

Inst

: -

Title :

Daily Changes in Blood Iron Content.

Orig Pub

: Comun. Acad. RPR, 1957, 7, No 2, 267-271

Abstract

: Eleven human subjects went without food during the day and took their meals at night with the ordinary intervals between them, during which they stept. It was found that the iron content of the blood decreased gradually and reached its lowest value at about noon of the following day, just as among persons eating at normal hours the maximal reduction in blood iron content occurred toward midnight.

Among the individuals who received no food during the day, the iron content of the blood increased toward evening. The daily changes in blood iron content, as the authors note, are associated with food intake.

Card i/l

KARSAY, Gyula, dr.; KOZMA, Gyorgy, dr.; ARATO, Karoly, dr.

On clinical picture in epigastric hernia. Orv.hetil. 101 n0.50: 1780-1781 11 D'60.

1. Fovarosi Janos Korhaz, I. sz. Bel- es Rontgenosztaly. (HERNIA VENTRAL)

HALMOS, Tamas, dr.; KOZMA, Gyergy, dr.

Acute anuria due to a mercurial diuretic. Orv. hetil. 102 me.17: 797-798 23 Ap 161.

1. Fovarosi Janos Korhaz, I sz. Belgyegyaszati Osztaly.

(ANURIA etiol) (DIURETICS MERCURIAL toxicol)

KORANYI, Andras, dr.; HALMOS, Tamas, dr.; KOZMA, Gyorgy, dr.

Experience with a biguarde derivative in the treatment of diabetes.

erv. hetil. 103 no.22:1029-1032 3 Je '62.

1. Foverosi Tanacs Janos Korhaz, I. Belosztaly.
(ANTIDIABETICS ther)

HOZER, I.

"Following the path of Soviet millionaires; a conversation with Istan Kapitany, one of the best first-class pilots of the MASZOVLET (Amgarian-Soviet Airways Company)" c. 7 MUSZALI Inr SZOWIN; MONASZAT, CHIEBE, MICHAELER Vol. 1 no. 24, Dec. 1953, Cadapest, Hungry.

SO: Monthly List of Mast Suropean Accessions, LO, Vol. 3, No. 8, April 1954

KOZMA, I.

"How Should Aviation and Parachute Sports Not Be Helped?", p. 11 (REPULES, Vol. 7, no. 4, Feb. 1954, Budapest, Hungary).

Source: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

KOZMA, I.; BAGAYEV, V.P. [translator]; IL'IN, I.S. [translator]; PETROV,

I.A. [translator]; LEPNIKOVA, Ye., red.; DUDNICHENKO, E., mald.

red.; NOGINA, N., tekhn. red.

[Agriculture of the Rumanian People's Republic on the way to socialism] Sel'skoe khoziaistvo Rumynskoy Narodnoi Respubliki na puti sotsializma. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1961. 99 p. (MIRA 14:10)

(Rumania-Agriculture)

HADNAGY, Csaba, dr.; KREPSZ, Ivan, dr.; BARTEL, Gyorgy, dr.; SZABO, Istvan, dr.; KOZMA, Jozsef, dr.

Study on the effect of x-rays on antibody formation. Magy. radiol. 8 no.1:57-59 Feb 56.

1. A Marosvasarhelyi Vertarolo es Veratomleszto Kozpont (igazgato: Hadnagy Csaba dr. foorvos), a Marosvasarhelyi Orvostudomanyi es Gyogyszereszeti Felso Oktatasu Inteze. Intezet Radiologiai Osztalya (igazgato: Krepsz, Ivan dr. egy. eloado-tanar) kozlemenye.

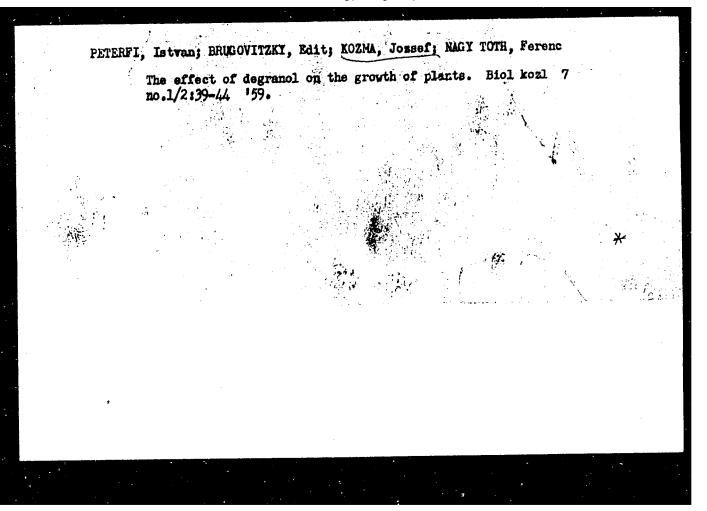
(ROENTGEN RAYS, eff.

total body on antibody form. in rabbits against sheep erythrocytes, inhib. (Hun))

(ANTIGENS AND ANTIBODIES

antibody form. in rabbits against sheep erythrocytes, inhib. by total body roentgen ray radiation. (Hun))

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920



KOZMA, J.

PETERFI, I.; BRUGOVITZKY, Edith; KOZMA, J.; NAGY TOTH, F.

The effect of Degranol on the growth of plants. In English. Actabiol. Hung. 10 no.2:187-196 '59. (MEAI 9:5)

1. Department of Plant Physiology, Bolyai University Cluj, Roumania. (Plants) (BCM)

KOZMA, Lajos, dr.

Economic problems of the quality and classification of beef cattle. Elelm ipar 18 no.10:316-321 0 164.

1. Institute of Food Industry Economics and Organization, Budapest.

KOZMA, L.

Methods and possiblities for increasing the operations of forestries in the field of manufacturing wood products. p. 330.

AZ ERDO. (Orszagos Erdeszeti Egyesulet) Budapest, Hungary, Vol. 8, No. 9, Sept. 1959.

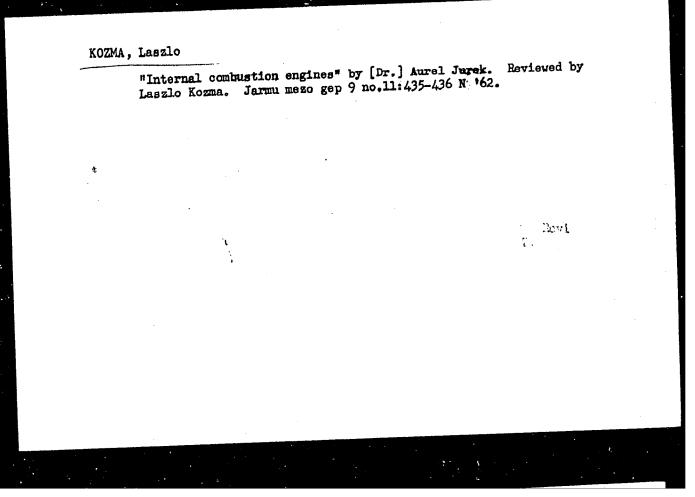
Monthly List of East European Accessions (EFAI) LC, Vol. 8, No. 11, November 1959, Uncl.

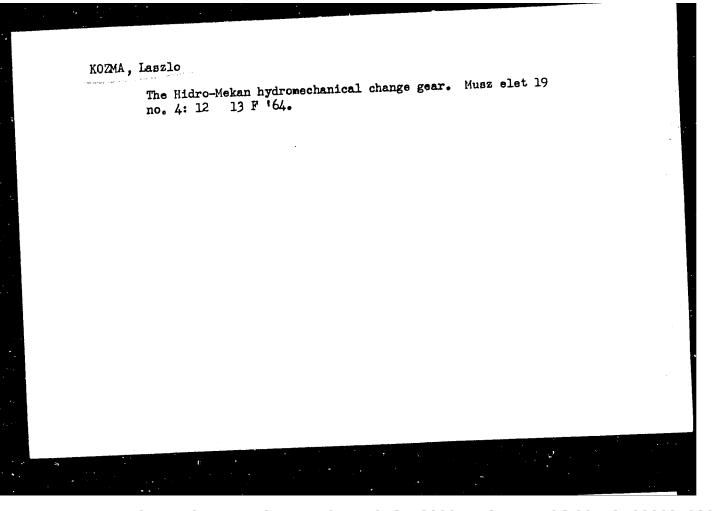
KOZMA, Laszlo, dr. vezeto foorvos.

A report of on one-year long activity of the VII. district tuberculous patients division attached to the Tuberculosis Institute. Tuberk. kerdesei 8 no.3:82-83 June 55,

1. A fovarosi Koranyi Kozhorhaz (igazgato: Petho Imre dr.) tudosztalyanak (foorvos: Kozma Lazlo dr.) es fovarosi VII. ker. tbc. gondozo intezetnek (kozponti igazgato: szakkay Antal dr.) kozlemenye.

(TUBERCULOSIS, prev. and control in Hungary)





KOZMA, L.

fluorescence and temperature radiation. Acta phys chem Szeged 9 no. 3/4:59-69 163.

1. Institut für Experimentalphysik der Jozsef Attila Universitat, Szeged.

KOZMA, L.

"Battery-voltage problems in crossbar-telephone exchanges." In English, p. 299

PERIODICA POLYTECHNICA. (Budapesti Muszaki Egyetem) Budapest, Hungary, Vol. 2, No. 4, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959 Uncl.

KOZMA,	
	Neight Spanish indicat it the Balance Ladiostoping (************************************
	University in Region L. R. C. H. L. Periodica Polysochusa. Received Augustica Val. 1, 1887, No. 4, pp. 181 – 445. If the Computer compact and accomplished at the University.
	person on the binary graces by programme central and in compared (control profit they because punished profit (binding material are used for life operation 70st bards are december scanned. The date
À	(Chi problem is a calculated for lot by mount of a dashmal problem in the companies of a dashmal problem in
J. J.	The last of the bear of the country
Sinch.	of Selection munication, Polytisk Univ.
je	

KOZMA, Laszlo, a muszaki tudomanyok doktora; BALAS, Arpad; GAL, Jozsef

Problems occuring at the introduction of telephone systems of the crossbar type: also, remarks by A.Balas, and J.Gal. Muszaki kozl MTA 26 no.1/4:151-163 '60. (EEAI 9:10)

1. Bydapesti Muszaki Egyetem, Vezetekes Hiradastechnikai Tanszek (Telephone)

KOZMA, L., prof. (Budapest XI., Stepsek u.2)

Development problems of telephone exchanges. Periodica polytechn electr 5 no.3:197-214 '61.

1. Department of Telecommunication, Polytechnical University.

KOZMA, Laszlo

Problems relating to the development of telephone technology. Muszaki kozl MTA 31 no.1/4:405:426 162.

1. Magyar Tudomanyos Akademia levelezo tagja.

KOZMA, Laszlo

Work and objectives of the Institute of Vehicle Development. Közleked közl 20 no.46:748-749 $-15\,$ N 4 04.

1. Technical Secretary, Institute of Vehicle Development, Budapest.

DOMBI, J.; KETSKEMETY, I.; KOZMA, L.

An analytic interpretation of absorption and fluorescence spectra of solutions. Acta phys chem Szeged 10 no.1/2:15-22 '64.

1. Institut für Experimentalphysik der Attila Jozsef Universitat, Szeged.

KOZMA, L.; SZALAY, L.; HEVESI, J.

Further investigations on the validity of Stepanov's relation in viscous luminescent solutions. Acta phys chem Szeged 10 no. 3/4:67-77 '64.

1. Institute of Experimental Physics, Attila Jozsef University, Szeged.

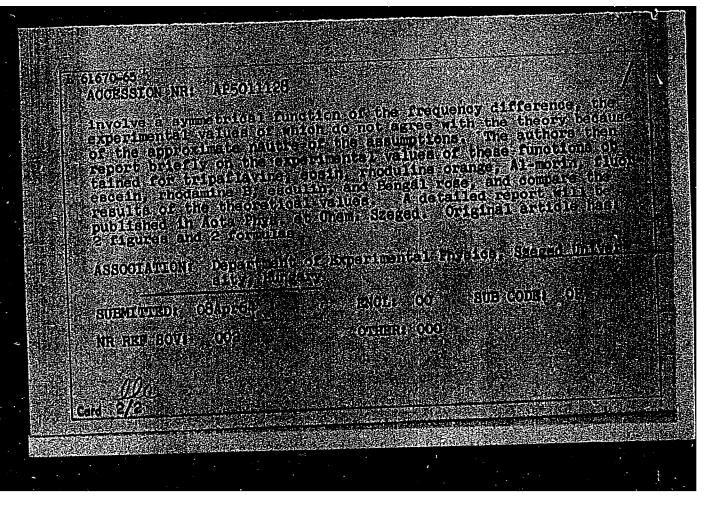
KOZMA, L.; HEVESI, J.; HORVAI, R.

Contribution to the question of the yield of luminescent solutions. Acta phys chem Szeged 10 no.3/4:79-84 '64.

1. Institut für Experimentalphysik der Attila Jozsef Universitat, Szeged.

5167026; ali) Albuckskion an	d Appolente:	JIII/AG	/65/018/004/0	
AUTHORS	Combar Ya (Tombar)	vc);; Keonken	eti, I. (Keta	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
TIME:	Contour (10 (popul)		The second of th	
SOURGE!	Ophilia is spelanos	kopi ya, y 18,	no. 4, 1965,	γαίο γλά,
	ELVOXAGCANC ACTIVI SPECIFICIAL CONGRESS	· (ii) = belompia iive	O spectrum, en	Maria de la Constantia del Constantia de la Constantia de la Constantia de la Constantia de
AESVITA(TI) Since Become 1870	logy) eriek (merence) Gynerofe Antoniques Avz (Gibbinson Vazza)	rabaten onterior ola sozotsiona	the abadiyordo On the baata	
	enconde desert	the in their	LABORATE ATTICKTS	
30 ST 17 11 22	6); iddy hyd y c baror (dans iy)		E COUNTY OF THE PARTY OF THE PA	UANT PROPERTY OF
1/2				

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920



	AP5022868	UR/0051/65/019/00	מלטובור לטווים
	44.85	535.372	34
AUTHOR: Kheye	shi, Ya.; Kozma, L. 44,55		34 31 B
The second of th	antum yield of anti-Stokes	fluoreggenge	B
the control of the co			
SOURCE: Optik	a i spektroskopiya, v. 19,	no. 3, 1965, 434_440	
ABSTRACT: Under	or the assumption that the corption and that both activith the frequency wof the	s radiation, Raman spectroscop quantum fluorescence yield n i we and inactive absorption dec exciting light, it is shown t	s determine
	n(ν) 	B + expm(ν ₀ -ν),	
	けんしょりょうけん しょうしょうしゅつきょう ちゅうけんかい あまり こうりんしんり		

L 2976-66

and 2 tables.

ACCESSION NR: AP5022868

be determined from the point at which the absorption curve crosses the fluorescence curve. Experimental measurements of n(v) for nine different substances were in good agreement with the formula. The determination of the constants M. B. and C can be made from only a few experimental points and applied in calculating $\eta(\nu)$ in the region for which experimental measurements are difficult to make. It was established that the decrease of $n(\lambda)$ depends not only on the temperature but also on the luminescence centers and solvents. Orig. art. has: 4 formulas, 4 figures,

Universitet im. Tozhefa Atily. Kafedra eksper. fiziki (Iozhefa ASSOCIATION: Atily University. Department of Experimental Physics

SUBMITTED: 15Jan65 ENCL: 00

SUB CODE: OP

NO REF SOV.: ATD PRESS: 4/0 009 OTHER: 008

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920(

1. 414

L 31350-66

ACC NR: AT6021145

SOURCE CODE: HU/2504/65/050/000/0153/0166

AUTHOR: Kozma, L.-Koz'ma, L. (Corresponding member MTA)

38 B+1

ORG: nono

TITE: Speeding up the digit transmission by telephone subscribers

SOURCE: Academia scientiarum hungaricae. Acta technica. v. 50, 1965, 153-166

TOPIC TAGS: telephone equipment, telephone signal, signal to noise ratio, signal transmission, telephone system

ABSTRACT: The limitations imposed on telephone equipment to attain greater speeds of digit transmission were analyzed with the aim of establishing the means whereby this transmission could be accelerated. Safe digit transmission speed increase was found to be possible by improving the signal to-noise ratio, possibly by a greater degree of decentralization such as by the use of concentrator-type exchanges. This latter type of exchange need not be decentralized in its entirety to achieve the desired results. Another advantage of the use of these exchanges would be an increase in the transmission power for the individual telephone sets involved. Orig. art. has: 8 figures and 1 table. Orig. art. in Eng. IPRS

SUB CODE: 17 / SUBM DATE: 28Aug64 / OTH REF: 004

Card 1/1 (C

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920(

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920

ACC NR: AP7000036

SOURCE CODE:

UR/0051/66/021/005/0650/0654

AUTHOR: Kozma, L.; Kheveshi, Ya.--Hevesi, J.

ORG: Josef Atilla University, Szeged, Dept. of Experimental Physics

TITLE: Concerning the yield of anti-Stokes fluorescence

SOURCE: Optika i spektroskopiya, v. 21, no. 5, 1966, 650-654

TOPIC TAGS: fluorescence spectrum, quantum yield, light absorption, light excitation, temperature dependence

ABSTRACT: This is a continuation of earlier work (Opt. i spektr. v. 19, 434, 1965 and preceding papers) where a formula for the quantum yield of the anti-Stokes fluorescence as a function of the exciting frequency was obtained on the basis of the assumption that the inactive absorption decreases exponentially in the anti-Stokes region. In the present paper the authors compared the yield calculated by means of this formula with new experimental data obtained on a number of organic fluorescent solutions. Eighteen solutions of eleven luminescence substances were investigated. Tables and plots showing the results are included. The experimental results show that the investigated luminescence substances can be subdivided into two groups, depending on the influence of the temperature on the quantum-yield plot against the frequency. The first includes substances in which the yield changes strongly with temperature in the entire anti-Stokes region, and the second contains substances in which the temperature has little effect. The first includes alcohol, glucose, and

Card 1/2

UDC: 535.371

ACC NR: AP7000036

glycerin solutions of fluorescein, glycerin solutions of tripoflavin and rhoduline orange and rhodamine-B, and alcohol solutions of eosin and erythrosine as well as the aqueous solutions of fluorescein and the alcohol solutions of tripoflavin investigated earlier. The second group includes alcohol solutions of phloxin, Bengal rose, flavophosphine, and aurophosphine. Differences between the present results and those published by others are discussed. Simultaneously with measuring the quantum yield the authors investigated carefully the absorption spectra, and found that the absorption coefficients of the first group change with temperature, resulting in an increase of spectral width. The absorption coefficients of the second group do not change with temperature. The slopes of the quantum-yield curves are affected by the type of solvent used. Typical values are (in multiples of 10-14) 10.8, 12.0, 11.8, and 13.5 for glucose, water, ethyl alcohol, and glycerin, respectively. The temperature dependence is attributed to changes in the populations of the vibrational levels of the molecules. Some unexplained points are briefly discussed. The authors thank A. Budo and I. Ketskemety for continuous interest and useful advice. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 20/ SUBM DATE: 19Mar66/ ORIG REF: 003/ OTH REF: 003

Card 2/2

A STATE	I 44034-66 IdP(c)	1
Same Brass	ACC NR. AF6032568 SOURCE CODE: HU/0034/65/019/002/0157/0180	
	AUTHOR: Szalay Maszlo; Hevesi, Janos; Kozma, Laszlo	7 7 3 1 23
•	ORG: Institute for Experimental Physics, <u>Jozsef Attila Scientific University</u> , Szeged Attila Tudomanyegyetem Kiserleti Fizikai Intezete)	i
- 5	TITE Relations between the absorption and fluorescence spectra of luminescent substances	
	SOURCE: Magyar fizikai folyoirat, v. 13, no. 2, 1965, 157-180	
	TOPIC TAGS: fluorescence spectrum, luminescent material	'
e io	ABSTRACT: The relations between the absorption and fluorescence spectra of <u>luminescent substances</u> were discussed on the basis of references in the literature with especial emphasis on the relation described by Stepanov, B. I. (DAN SSSR, vol. 112, 1957, p. 839). Relations between fluorescence spectrum, thermal radiation spectrum, and quantum efficiency; the effects of extinction, excitation light frequency and solvent on the relations between absorption and emission spectra; and relations between the excited molecules and the liquid medium were investigated to establish and extend the validity of the Stepanov relation. The techniques employed and the results obtained in these investigations were presented and discussed in detail. The techniques described included a novel one based on local temperature. The authors	
-	thank Academician Budo Agoston of the Institute of Experimental Physics at Jozsef Attil Medical University for guidance as well as useful discussions. Orig. art. has: 13 figures, 17 formulas, and 5 tables. JPRS: 35.3867 SUB CODE: 20 / SUBM DATE: 13Jul64 / CRIG REF: O15 / SOV REF: O18 OTH REF: O17 Card 1/1 blg	
		<i>A</i> _g -

2.12.2	L 44112-66 IJP(c)	
	ACC NR: AP6018646 SOURCE CODE: PO/0045/66/029/001/0057/0064	
	AUTHOR: Hevesi, J.; Kozma, L.; Szalay, L.	ı
	ORG: Institute of Experimental Physics. Jozsef Attila University, Szeged, Hungary	
	TITLE: Temperature dependence of the relationships between absorption and emission spectra in luminescent solutions	
	SOURCE: Acta physica polonica, v. 29, no. 1, 1966, 57-64	,
:	TOPIC TAGS: absorption spectrum, emission spectrum, luminescent material	-
	ABSTRACT: Stepanov's relation (Stepanov, B. I., Dokl. Akad. Nauk SSSR, 112, 839 (1957)) and its modified form for absorption and emission spectra proved to be valid for luminescent solutions in the temperature range 262—358k. In the ethanol and glycerol solutions investigated the activation energy of the interaction of the solvent and solute molecules was estimated to be 2.5—3.2 kcal/mol from the temperature dependence	
	Card 1/2	
		ij

of the sp	the Hungs	arian Acad Orig. art.		re thanks to ences, for m gures, 3 tab		Dr. A. Budo. le discussion formulas. [KS]
SUB CODE:		'. V .	21Ju165/	ORIG REF:	005/ SOV	REF: 005/
Card 2/2				·		

KOZNA, M.

KOZMA, M. Remarks on the problems of relative measurement in "Joinery Work for Buildings and Masonry." p.236. Vol. 4, no. 8, Aug. 1954. FAIFAR. Budapest, Hungary.

SOURCE: East European Accessions List (EFAL) Vol. 6, No. 4--April 1957

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920

KCZMA, M.

KCZMA, M. Production technology of building joinery. p. 272. Vol. 4, no.9, Sept. 1954. FAIPAR, Budapest, Hungary.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4-April 1957

RACZ, Gyorgy, dr.; KOZMA, Maria, dr.; LIPPAI, Jossef, dr.; IVANYI, Janos, dr.

5-year observations on aged patients in the therapeutic ward of the Jaszbereny City Hospital. Nepegesssegugy 42 no.1:19-21 Ja '61.

1. Kozlemeny a jaszberenyi varosi korhaz belgyogyaszati osztalyarol. (GERIATRICS hosp & clin)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920

KOZNA, II. (# 2740)

Dept. of Anat.-Histol.; Ambryol., neurol. psychiat. Clin., Univ. in Speged Leucotomy in dogs for experimental purposes Acta morphol. (Budapest) 1991. 1/2 (275-276)
Description of the operative technique of leucotomy in dogs. The method stems to be suitable for the study of the structural and functional activities of the cortex.

Lehecaky - Budapest

SO: EXCERPTA MEDICA Vol. 5 No. 7 Sec. VIII July 1952

Kozma, m.

VARGHA, M.; BENTZIK, M.; KOZMA, M.

Laukotomy in dog for experimental purposes. Acta neurochir. 3 no.3:243-251 1953. (CLML 2515)

1. Of the Neuro-Psychiatric Clinic (Head-Prof. I. Huszak, M.D.) and of the Institute of Anatomy (Director-Prof. A. Gellert, M.D.) of Szeged University.

Terescopic data on the problem of the lymphatic vessels of muccles.

Electricise errorated. 7 no.2:147-150 Apr 57.

1. Caegedi Crosstudennyi Sevetem Benetani, valudint Scovet es

Asjocianni Interate.

(MESCIE., anat. & histol.

| hymphatic vessels, histol, studies in exper. animals (hum))

(LEGRATIO TESTIG. anat. & histol.

in casc., histol. studies in exper. animals (Hum))

KOZMA, Marta; GELLERT, Albert

Nerve cells and microscopic ganglia of the glossopharyngeal nerve. Kiserletes orvostud. 10 no.2-3:183-185 Apr-June 58.

1. Szegedi Orvostudomanyi Egyetem Bonctani, valamint Szovet- es Fejod- estani Intezete.

(NERVES, GIOSSOPHARYNGEAL, anat. & histol. nerve cells & microscopic ganglia, histol. (Hun))

GELLERT, Albert; KOZMA, Marta; POBERAI, Maria; LIPPAI, Jozsef

Data on the problem of autonomic innervation of the smooth muscle. Kiserletes Orvostudomany 12 no.1:35-39 F '60.

1. Szegedi Orvostudomanyi Mgyetem Bonctani, valamint Szovet es Fejlodestani Intezete.
(MUSCLES innervation)

POBERAI, Maria; GELLERT, Albert; NAGY, Istvan; LIPPAI, Jozsef; KOZMA, Marta; NAGY, Sandor

Comparative studies on the tissue structure of the walls of the peripheral lymph vessels. Kiserletes orvostud. 13 no.2:154-159 My '61.

1. Szegedi Orvostudomanyi Egyetem Bonctani, valamint Szovet- es Fejlodestani Intezete. (LYMPHATIC SYSTEM anat. & histol.)

10 May 10 12

POBERAI, Maria; GELLERT, A.; NAGY, I.; LIPPAI, J.; KOZMA, Marta; NAGY, S.

Comparative histology of the structure of the wall of lymphatic vessels. III. Histological structure of the wall of peripheral lymphatic vessels. Acta Morph. Acad. Sci. Hung. 11 no.2:229-238 62.

1. Institut fur Anatomie, Histologie und Embryologie der Medizinischen Universitat, Szeged (Vorstand: Prof. A. Gellert)

(LYMPHATIC SYSTEM anat & histol)

FOLDI, M., dr.; KUKAN, F., dr.; SZEGHY, G., dr.; GELLERT, A. dr.; KOZMA, M., dr.; PORERAI, M., dr.; ZOLTAN, O.T., dr.; VARGA, L., dr.

Anatomical, histological and experimental data on the fluid circulation of the eye. Orv. hetil. 103 nc.38:1789-1792 23 S 162.

1. Szegedi Orvostudomanyi Egyetem, II. Berklinika, Szemklinika es Anatomiai Intezet.

(EYE) (EYE PROTEIES) (LYMPHATIC SYSTEM)

Anatomy



HUNGARY

FOLDI, Mihaly, Dr of med. sci., GELLERT, Albert, Cand. of med. sci., KOZMA, Marta, POBERAI, Maria, ZOLTAN, O., Tamas, OSANDA, Endre, Cand. of med. sci., Medical University of Szeged, II. Medical Clinic, Institute of Anatomy, and Neurological and Psychiatric Clinic (Szegedi Orvostudomanyi Egyetem, II. sz. Belklinika, Anatomiai Intezet es Ideg-Elmekortani Klinika).

"Recent Data on the Anatomy of the Connection Between the Brain and Lymphatic System"

Budapest, A Magyar Tudomanyos Akademia V. Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XVII, No 1, 1966, pages 93-100

Abstract: Authors! Hungarian summary By the method of experimental lymphatic edema produced by "self-injection with lymphatic fluid," the lymphatic vessels in the substance of the dura mater at the skull base and their connection with the tr. lymphaticus cervicalis were demonstrated. In contrast to the uncertanities and inadequacies found in the liaterature, this observation provides a morphological confirmation of the lymphatics in the area of the dorsal sulcus and also explains the severe morphological and functional changes seen after western. Manuscript received 13 Jul 65.7

Means for the cutting-in of intermediate points. Avton..

telem.i sviaz' 3 no.?:27-28 Jl '59. (MIRA 12:12)

1. Zamestitel' nachal'nika Chitinskoy distantsii signalizatsii
i svyazi Zabaykal'skoy dorogi.
(Blectric engineering) (Telephone)

Train dispatch switchbosrd. Avtom., telem. i oricz! 9 no.6:35
Je 165. (MIRA 18:5)

1. Zamestitel! nachal!nika Chitinskoy distanteli Zabayka!!skoy dorogi.

KOZMA, P.

Viticultiral and winegrowing requirements in the field of species investigation and plant improvement; also, remarks by I. Tamassy and others. p. 223. (KOZLEMENYEI. Vol. 12, no. 1/h, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.

KOLOS, Richard, egyetemi tanar; FISCHER, Imre; HARSANYI, Istvan, dr., docens, kozgazdasagi tudomanyok kandidatusa; LENGYEL, Karoly, dr., tudomanyos munkatars; BALASSA, Laszlo, foeloado; KOZMA, Pal, dr., fokonyvelo; KASPER, Egon, dr.; MACSKASTV, Pal; LUKACS, Laszlo, okleveles elektromernok; SANTA, Balint, dr.

Scientific conference on retraining instrument industry personnel. Meres automat 13 no.2/3:66 '65.

1. Secretary General, Council on Science and Higher Education, Budapest (for Kolos). 2. Head, Directorate of Instrument Industry of the Ministry of Metallurgy and Machine Industry, Budapest (for Fischer). 3. Instrument Industry Research Institute, Budapest (for Lengyel). 4. National Price Office, Budapest (for Balassa) 5. Instrument and Business Machine Trading Organization, Budapest (for Kozma). 6. Group Head, Ministry of Finance, Budapest (for Kasper). 7. Directorate of Instrument Industry of the Ministry of Metallurgy and Machine Industry, Budapest (for Santa).

KOZMA, Tamas, dr.

Legislation during the period of the Second Five-Year Plan. Epites szemle 5 no.7:205-207 '61.

l. Epitesugyi Miniszterium Elnoki es Jogi Foosztalyanak osztalyvezetoje.

KOZMA, Tamas, dr.

Enforcing guarantee aims in the construction industry. Epites szemle 6 no.10:323-326 162.

l. Epitesugyi Miniszterium Elnoki es Jogi Foosztalyanak osztalyvezetoje.

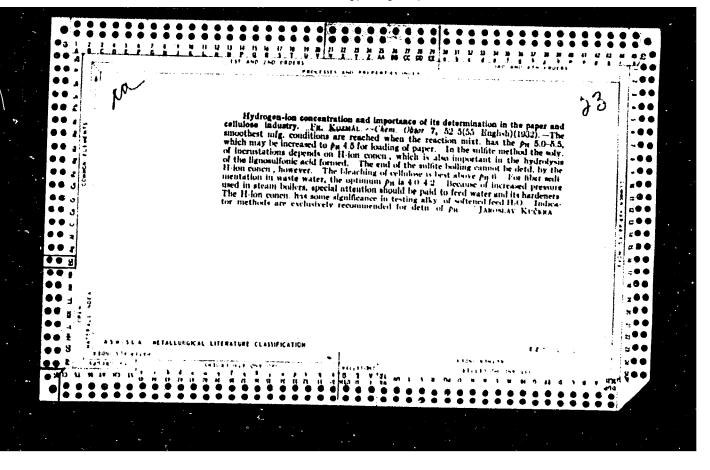
KOZMAL, E.

TECHNOLOGY

Periodical: PAPIR A CELULOSA. Vol. 13, no. 9, Sept. 1958.

KOZMAL, E.; JURKOVIC, J. Use of halloysite and pictorial clay of Piestany as a filler in the paper industry. p_{\bullet} 201.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.



Kozmal, F.

Technique of fluidization. p. 210. PAFIF A CELULOSA. (Ministerstvo lesu a drevarskeho prumyslu) Praha. Vol. 9, no. 10, Oct. 1954.

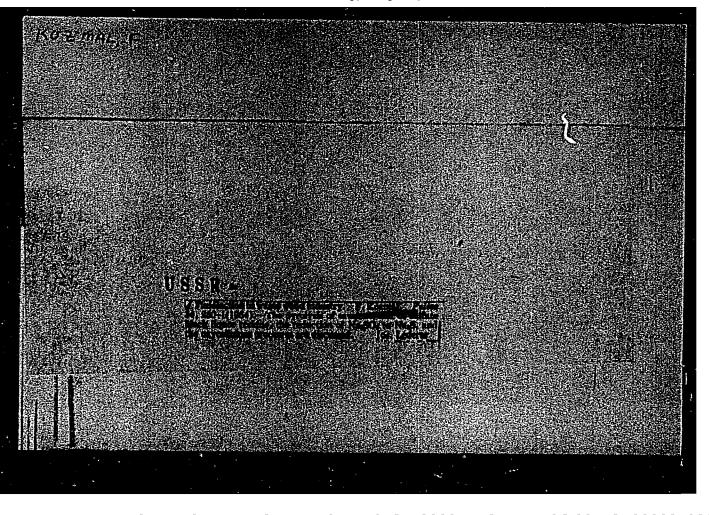
SCURCE: FEAL - LC Vol. 5 No. 10 Cct. 1956

Kozmal, F.

Carboxyl groups in Celluloid. p. 251. PAPIR A CEL/HOSA. (Ministerstvo lesu a drevarskeho prumyslu) Praha. Vol. 9, no. 12, Dec. 1954.

SCURCE EEAL LC Vol. 5, no. 10, Oct. 1956.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920



KOZMAL, FRANTISEK.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and

K-4

Applications. Artificial and Synthetic Fibers.

Abs Jour : Ref Zhur - Khimiya, No 2, 1958, 6566

Author : Kozmal Frantisek
Inst : -

Title : Coagulating Hemicellulose from Centrifuged out Alkalies

with Iron Compounds in Alkali Cellulose Production.

Orig Pub : Chem. zvesti, 1955, 9, No 7, 444-458

Abstract : A method of coagulating by the action of a Na₂FeO₄ solu-

tion produced by electrolysis of an iron anode in a 40% NaON solution at 35°C is proposed. When alkalies are treated with this solution, an insoluble precipitate will be produced which may be easily filtered or centrifuged out. The transparent filtrate contains about 20 ml/1 Fe, the extent of separation at a 2-4 gm/1 Fe is as high as 18% initial concentration, as high as 90% at a

concentration of 15 gm/1/ The properties of the

Card 1/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Applications. Artificial and Synthetic Fibers.

K-4

Abs Jour : Ref Zhur - Khimiya, No 2, 1958, 6566

obtained precipitate permit the hemicellulose (I) to be further chemically and biochemically refined. The optimum conditions were a relatively high I content in the solution and a 190-220 gm/l NaOH concentration in the ferrate solution. The new method is economical as it eliminates the necessity of a dialysis, decreases I losses by 60-70%, allows the purified alkalies to be recycled and substances which may be used as raw materials for other branches the industry to be recovered.

Card 2/2

CZECHOSLOVAKIA/Chemical Techn logy - Chemical Acadusts and Their Η. KOZMAL, F. Application. Chemical Wood Products. Hydroxysis Inductey. Abs Jour : Rof Zhru - Erfadya, H: 10, 1999 - 1000 Author : Komat, & . Orlick, J., Pikter, A. In t Tille : The Para then of Demicellaloge. : Pa, or c is laisen, 1958, 13, No 3, 169 A7L. Orig Pub : The existing methods of furfural production have been Abstin et examined. The possibility of demicellulose utilization for this production have been noted, and basic parameters and conditions determining the furfurol output have been verified. -- From the authors' resume. 11 137 Card 1/1 -

CZECHOSLOV/KL./Chemical Technology. Chemical Products and Their Applications. Cellulose and Its Derivatives. H

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29334.

Author : Kozmal, F. and Jurkovic, J.

Paper.

Inst Title

: The Utilization of Maloysite and Piestansk Malarial

Clay as Fillers in the Paper Industry.

Orig Nub: Papir a Celulosa, 13, No 9, 201-207 (1950) (in Slovak

with surmaries in German, English, and Russian)

.bstract: The characteristics of new paper fillers have been

determined. A sieve analysis was made of both clays. The new fillers and standard kaolin were added in different amounts to three types of paper

Card : 1/2

CZECHOSLOVAKLA/Chemical Technology. Chemical Products and

APPROVED FOR RELEASE: Monday, July 31, 2000 riva CYASRDP86-00513R000825 200

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29834.

pulp. The characteristics of the papers produced from the various pulps were also determined. It was found that Piestensk clay can be substituted for kaolin in papers which do not require a high degree of opacity. The opacity of haloysite is greater than that of kaolin, but its retention on the paper is less. The latter property can be improved by washing and by colloidal grinding. From a summary by the authors.

Card : 2/2

Country : Csechoslovahia 11-24 Catogory = t Chemical Technology. Chemical Products and Their Applications -- Chemical wood products. Hydrolysis Abs. Nour. : industry. 40231 Referat Minr-Rhim., Mo 11, 1959, i.ut.iom : Rosmal, F. and Fendos, F. : Not biven : Institut. Title : Investigation of the Primary Cell Wall in Wood Orig. Put. : Papir a Calulosa, 15, No 10, 217-222 (1958) Abstract : The local effect of caraical reagents on wood cells depends on the condition of the primary cell wall. It has been found that the effect of H_2 30_4 , H_3 PO_4 , and ZnCl, on the cell wall under various conditions depends on the state of the surface of the fibers and shows a marked dependence on the chemical composition of the wood cellulese (U). The primary cell wall and the riest layer of the secondary cell wall are considerably less resistant to acid solvents then to alkaline solvents. The surface of fibers of sulfate C showslittle change after cooking, a fact which may be the explanation for the rela-Gard: 1/2 4-103

Game: 2/2		
		e's summary
Abstract	enems could be observed between the structure of the primary cell wall in apring and fall wood.	
Orig Fub.	:	
Author Institut. Tithe	: : :	
Aba, Jour,	:	40231
Sountry Sategory	: Gzechoslovekia	H-24

KOZMONITRI F. : CZECHOSLOVAKIA H : Chemical Technology. Chemical Products and CATROORY Their Applications. Cellulose and Itsx : RZKhim., No. 23 1959, No. 84320 ABS. JOUR. : Kozmal, F.; Bucko, J. ROHTUA INST. : Acacia - A New Raw Material for the Cellulose-TITLE -Paner Industry. :Nasa veda, 1959, 8, No 1, 3-5 oric. PUB. : Described are experiments in the obtainment ABSTRACT of cellulose (C) from acacia by employing sulfite and sulfate methods. In accordance with the first method, the yield of C is 40.9% and with the second is 38.9%. Raw cellulose has a darker color, than that derived from coniferous wood puln, however, it can be bleached to higher degree of whiteness than the doniferous C. The d - cellulose content is 80.0%, the absolute viscosity is 16.9 cm. Its strength, after prinding is 4695m. *Derivatives. Paner. CARD: 1/2II - 141

COUNTRY : Czechoslovakia H-33 CATEGORY : Chemical Technology Cellulose and Its Derivatives. Paper. ABS. JOUR.: AZKhim., No. 20 1959, No. 73445 AUTHOR : Kozmal, F.; Bucko, J. IMST. TITLE : The Possibilities of Utilizing Acacia Wood in Cellulose-and-Paper Industry ORIG. PUB.: Papir a celul., 1959, 14, No 4, 73-77 ABSTRACT: Wood of Robinia pseudoacacia Z, was pulped by the sulfite and the sulfate methods and the resultant cellulose was bleached. Mechanical properties (tearing strength, double-folding endurance, resistance to perforation) of the cellulose so obtained are satisfactory. From Authors! Summary. CARD: 1/1

KOZMAL, F.; RENDOS, F.

"Studies of the primary wood-cell wall." Pt. 2. P. 97.

PAPIR A CELULOSA. (Ministeratvo lesu a drevarskeho prumyslu). Praha, Czechoslovakia, Vol. 14, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncla.

KCZMAL, F.; CERVINKA, O.

Pulping possibilities of eucalyptus wood. 1. 196

PAFIR A CELULCGA. (Ministerstvo lesu a drevarskeho prumyslu) Fraha, Czechoslovakia. Vol. 14, no. 9, Sept. 1959

Monthly list of East European Accessions (EDAI) LC, vol. 9, no. 1, Jan. 1960

Uncl.

KOZMAL, F.

A conference on new trends in wood pulp processing. Vestnik CSAV 71 no.1:82-84 162.

1. Clen korespondent Slovenskej akademie vied.